

ST2817B+ LCR Meter

Features

- Test frequency 50Hz,60Hz,100Hz,120Hz,1kHz,10kHz,20kHz, 40kHz, 50kHz,100kHz, total 10 points
- 4.3 inch TFT liquid crystal display
- 50Hz-100kHz, 10 typical test frequencies
- 6-digit reading resolution
- Maximum test speed:12.5ms, support low frequency and high speed:TX4+3ms
- Chinese and English optional operation interface
- 10 bins sorting, test sorting is more perfect
- 100 sets of LCRZ instrument setting files, 10 measurement
- Soft power switch
- Support 110V/220V two power supply voltages
- 10-point list scanning, support multi-frequency test sorting
- Ultra-low signal source output offset (<100 μ V), meeting the needs of large inductor, common mode choke inductor test
- Super impact protection
- Power on state lock button;
- Empty fixture judgment
- Data logging function
- Screen capture function
- Interface function, timing, trigger delay, etc. are more complete



NEW

ST2817B+ (Upgraded)

Support SCPI,MODBUS protocol

Rack mount (mm): 215(W) x 88(H) x 335(D)

Dimension (mm): 235(W) x 105(H) x360(D)

Weight: 3.6kg

Standard RS232/RS485(option) ☐ USB HOST ☐ USB DEVICE ☐ HANDLER ☐

Applications

- Passive components:
Evaluation of Impedance Parameters for Capacitors, Inductors, Cores, Resistors, piezoelectric devices, Transformers, Chip Components, and Network Components

- Other components:
Impedance evaluation of printed circuit boards, relays, switches, cables, batteries, etc.

Brief Introduction

ST2817B+ LCR meter is a high-performance and cost-effective measuring instrument. It can automatically measure the inductance L, capacitance C, resistance value R, impedance modulus |Z|, quality factor Q and loss tangent value D and other component parameters. The instrument combines powerful functions, superior performance and simple operation, which can not only meet the needs of high-speed measurement on the production site, but also meet the needs of precision testing in quality inspection, measurement, scientific research and experiment departments.

Instrument Accessories

Power cord
ST26048A 4-terminal test fixture
ST26011CS 4-terminal Kelvin test cable
ST26010 Gilded shorting plate

Specifications

Model		ST2817B+	
Basic accuracy		0.1%	
Test frequency		50Hz,60Hz,100Hz,120Hz,1kHz,10kHz,20kHz,40kHz, 50kHz,100kHz, total 10 points	
Test parameters		L,C,R,Z ,D,Q,X,θd,θr,Vm,Im,△%	
V/I monitor		Yes	
AC test signal level		0.1Vrms,0.3Vrms,1Vrms	
Test terminal configuratio		5-terminal	
Test speed (ms/time)		Fast: 19ms;Medium:83ms;Slow: 333ms F≤120Hz Fast :4XT+3ms	
Zero clearing		Open, Short, Load	
List sweep		10-point list sweep Each scan point can be individually sorted, support multi-frequency combined test sorting Scanning test for frequency and AC voltage	
Equivalent Circuit		Series, Parallel	
Range mode		AUTO, HOLD	
Trigger mode		Internal, External, Manual, Bus	
Average times		1-255	
Arithmetical operation		Direct reading,△ABS,△%	
Delay		Trigger delay, step delay: 0—60.000s, 1ms step	
General function		Series, parallel equivalent mode, calibration: open circuit, short circuit, range selection: automatic, manual, trigger mode: INT, MAN, EXT, BUS, keyboard lock function	
Comparator		10 bins sorting,BIN1-BIN9,NG,AUX; Bin count function PASS, FALL front panel LED display	
Memory	Nonvolatile storage	100 sets of LCRZ instrument setting file	
	USB Storage	Instrument setting files , measurement result CSV file	
Interface		RS232/RS485(option),HANDLER,USB HOST,USB DEVICE	